

AMENDMENTS TO THE CLAIMS

In accordance with the Revised Rules under 37 C.F.R. 1.121, shown below are claims that may be original, cancelled, withdrawn, previously presented, new, and not entered.

Please amend the claims as indicated below:

1-7. (canceled)

8. (currently amended) A method for implementing a radio-electrical command transmitted in a radio-electrical signal, the command being for the control of a home automation device where the command includes at least one of an instruction to move a movable element of the home automation device and a learning-mode instruction of the home automation device, the radio-electrical command being generated by the action of a user on a remote control, the method comprising:

receiving the radio-electrical signal directly from the remote control;

determining at least a first electromagnetic characteristic and a second electromagnetic characteristic of the radio-electrical signal received directly from the remote control;

comparing the first characteristic to the second characteristic to determine whether a transmission zone of the remote control is a near-field zone or a far-field zone; and

controlling the movable element as a function of the received command and as a function of the transmission zone of the remote control.

9. (currently amended) The method according to claim 8, wherein determining the electromagnetic characteristics of the radio-electrical signal comprises:

receiving a first signal that relates to a magnetic component of the radio-electrical signal carrying the radio-electrical command, at two points lying substantially one behind the other in the direction coming from a transmission point; and

measuring the amplitude of the first signal at each of said two points.

10. (currently amended) The method according to claim 8, wherein determining the electromagnetic characteristics comprises:

receiving a first signal that relates to a magnetic component of the radio-electrical signal carrying the radio-electrical command, at two points lying substantially one behind the other in a direction coming from a transmission point; and

measuring the power of the first signal at each of said two points.

11. (currently amended) The method according to claim 8, wherein determining the electromagnetic characteristics comprises:

receiving a first signal that relates to a magnetic component of the radio-electrical signal carrying the radio-electrical command, at two points lying substantially one behind the other in a direction coming from a transmission point; and

measuring a quantity associated with an amplitude of the first signal at each of said two points.

12. (currently amended) The method according to claim 8, wherein determining the electromagnetic characteristics comprises:

receiving a first signal that relates to a magnetic component of the radio-electrical signal carrying the radio-electrical command, at two points lying substantially one behind the other in a direction coming from a transmission point; and

measuring a quantity associated with a power of the first signal at each of said two points.

13. (currently amended) The method according to claim 8, wherein determining the electromagnetic characteristics comprises:

receiving a first signal that relates to a magnetic component of the radio-electrical signal carrying the radio-electrical command at a first point, and receiving a second signal that relates to an electric component of the electromagnetic wave at another point, which may be the same as the first point; and

measuring an amplitude of each of the first signal and the second second signal.

14. (currently amended) The method according to claim 8, wherein determining the electromagnetic characteristics includes:

receiving a first signal that relates to a magnetic component of the radio-electrical signal carrying the radio-electrical command at a first point, and receiving a second signal that relates to an electric component of the electromagnetic wave at another point, which may be the same as the first point; and

measuring a power of each of the first signal and the second signal.

15. (currently amended) The method according to claim 8, wherein determining the electromagnetic characteristics comprises:

receiving a first signal that relates to a magnetic component of the radio-electrical signal carrying the radio-electrical command at a first point, and receiving a second signal that relates to an electric component of the electromagnetic wave at another point, which may be the same as the first point; and

measuring a quantity associated with an amplitude of each of the first signal and the second signal.

16. (currently amended) The method according to claim 8, wherein determining the electromagnetic characteristics comprises:

receiving a first signal that relates to a magnetic component of the radio-electrical signal carrying the radio-electrical command at a first point, and receiving a second signal that relates to an electric component of the radio-electrical signal at another point, which may be the same as the first point; and

measuring a quantity associated with the power of each of the first signal and the second signal.

17. (currently amended) The method according to claim 8, wherein determining the electromagnetic characteristics comprises:

receiving a first signal that relates to a magnetic component of the radio-electrical signal carrying the radio-electrical command at a first point, and receiving a third signal that relates to a combination of the magnetic component and the electric component of the radio-electrical signal at another point, which may be the same as the first point; and

measuring an amplitude of each of the first signal and the third signal.

18. (currently amended) The method according to claim 8, wherein determining the electromagnetic characteristics comprises:

receiving a first signal that relates to a magnetic component of the radio-electrical signal carrying the radio-electrical command at a first point, and receiving a third signal that relates to a combination of the magnetic component and the electric component of the radio-electrical signal at another point, which may be the same as the first point; and
measuring a power of each of the first signal and the third signal.

19. (currently amended) The method according to claim 8, wherein determining the electromagnetic characteristics comprises:

receiving a first signal that relates to a magnetic component of the radio-electrical signal carrying the radio-electrical command at a first point, and receiving a third signal that relates to a combination of the magnetic component and the electric component of the radio-electrical signal at another point, which may be the same as the first point; and
measuring a quantity associated with an amplitude of each of the first signal and the third signal.

20. (currently amended) The method according to claim 8, wherein determining the electromagnetic characteristic comprises:

receiving a first signal that relates to a magnetic component of the radio-electrical signal carrying the radio-electrical command at a first point, and receiving a third signal that relates to a combination of the magnetic component and the electric component of the radio-electrical signal at another point, which may be the same as the first point; and
measuring a quantity associated with a power of each of the first signal and the third signal.

21. (currently amended) A device for receiving a radio-electrical signal including a radio-electrical command generated by a user-operable remote control, the remote control being configured to control movement of a movable element of a home automation device, the radio-electrical command including at least one of an instruction

for moving the movable element and a learning-mode instruction, the device comprising:

a unit for controlling the equipment;

a radio-electrical wave receiver having a main antenna, at least an amplification stage and a demodulation stage, the output of which is connected to the control unit of the equipment;

means connected to the control unit for determining a transmission zone of the radio-electrical signal, having at least two antennas and means for analyzing and/or processing the radio-electrical signal received directly from the remote control by each antenna so as to determine a transmission zone of the radio-electric signal; and

wherein the antennas forming part of the means for determining the transmission zone are all of the coil type and are substantially arranged one behind the other in the direction coming from a transmission point of the radio-electric wave.

22. (currently amended) The device according to claim 21, wherein the means for determining the transmission zone of the radio-electric command comprises the main antenna and an auxiliary antenna.

23. (currently amended) The device according to claim 21, wherein the means for determining the transmission zone of the radio-electric command comprises two auxiliary antennas.

24. (currently amended) A device for receiving a radio-electrical signal including a radio-electrical command generated by a user-operable remote control, configured to control movement of a movable element of a home automation device, the radio-electrical command including at least one of an instruction for moving the movable element and a learning-mode instruction., the device comprising:

a unit for controlling the equipment;

a radio-electrical wave receiver having a main antenna, at least an amplification stage and a demodulation stage, the output of which is connected to the control unit of the equipment;

means connected to the control unit for determining a transmission zone of the radio-electrical signal, having at least two antennas and means for analyzing and/or processing the radio-electrical signal received directly from the remote control by each antenna so as to determine the transmission zone of the radio-electric signal; and

wherein the antennas forming part of the means for determining the transmission zone are of different types.

25. (currently amended) The device according to claim 24, wherein the means for determining the transmission zone of the radio-electric command comprises the main antenna and an auxiliary antenna.

26. (currently amended) The device according to claim 24, wherein the means for determining the transmission zone of the radio-electric command comprises two auxiliary antennas.